

2. $\{-9, 10, 14, 75, -90\}$

a. $x - 7 > 8 \quad \{75\}$

b. $5x < -20 \quad \{-9, -90\}$

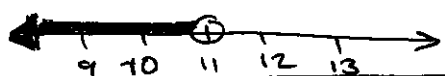
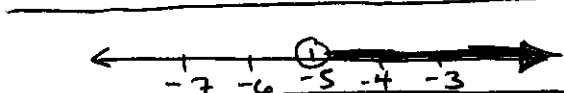
c. $x/3 \geq 30 \quad \{\text{none}\}$

3. $x > 10 \quad 10 < x$

yes. Though read differently they refer to the same solution line.



4.



x is less than or
= to 17

$x \leq 17$

y is greater than
-5

$-5 < y$

z is less than 11

$z < 11$

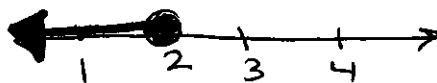
x is greater than or
equal to 7

$x \geq 7$

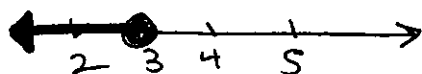
5.
$$\begin{array}{r} n - 4 > 10 \\ +4 \quad +4 \\ \hline n > 14 \end{array}$$



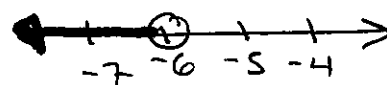
6.
$$\begin{array}{r} -5 \geq k - 7 \\ +7 \quad +7 \\ \hline 2 \geq k \end{array}$$



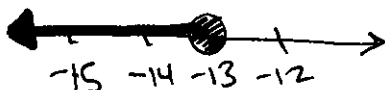
7.
$$\begin{array}{r} 6s \leq 18 \\ \div 6 \quad \div 6 \\ \hline s \leq 3 \end{array}$$



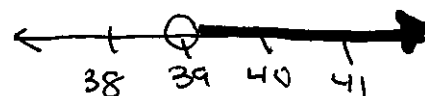
8.
$$\begin{array}{r} 3 \cdot \frac{m}{3} < -2 \cdot 3 \\ \div 3 \quad \div 3 \\ \hline m < -6 \end{array}$$



9.
$$\begin{array}{r} -9 \geq c + 4 \\ -4 \quad -4 \\ \hline -13 \geq c \end{array}$$



10.
$$\begin{array}{r} 78 < 2x \\ \div 2 \quad \div 2 \\ \hline 39 < x \end{array}$$



$$12. \quad \begin{array}{rcl} 19 + A & \geq & 5 \\ -19 & & -19 \end{array}$$

$$A \geq -14$$



14. Let $x = \$$ earned through
chares

$$5 + x \geq 35$$

$$x \geq 30$$



$$F \leq 45$$

